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## AMENDMENTS TO THE CLAIMS

Please cancel Claims 25-30 as indicated below.

1. (Previously Presented) A dual mode wireless transceiver comprising:
  - a direct sequence spread spectrum transmitter portion with a first data transmission rate;
  - a frequency hopping spread spectrum transmitter portion with a data transmission rate that is greater than said first data transmission rate;
  - a mode selection circuit coupled to said direct sequence spread spectrum transmission portion and to said frequency hopping spread spectrum transmission portion and configured to
    - detect when the transceiver is transmitting a voice transmission and in response thereto to selectively activate said direct sequence spread spectrum portion and to deactivate said frequency hopping spread spectrum transmission portion and
    - detect when the transceiver is transmitting a data transmission and in response thereto to selectively activate said frequency hopping spread spectrum transmission portion and to deactivate said direct sequence spread spectrum transmitter portion; and
  - a receiver portion capable of receiving and demodulating both direct sequence spread spectrum modulated signals and frequency hopping spread spectrum modulated signals.
2. (Original) The dual mode wireless transceiver of Claim 1, wherein said direct sequence spread spectrum transmitter portion comprises a spreading code generator selectively mixed with an input signal.
3. (Original) The dual mode wireless transceiver of Claim 2, further comprising a frequency generator and wherein said frequency hopping spread spectrum transmitter portion further includes a hopping sequence generator selectively coupled to said frequency generator.
4. (Original) The dual mode wireless transceiver of Claim 2, further comprising a spreading code mixer for mixing the output of said spreading code generator and the input signal.

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5. (Original) The dual mode wireless transceiver of Claim 4, further comprising a modulating mixer coupled to receive the output of said spreading code mixer and said frequency generator.

6. (Original) The dual mode wireless transceiver of Claim 1, wherein said receiver portion selectively receives a spreading code from said direct sequence spread spectrum transmitter portion.

7. (Original) The dual mode wireless transceiver of Claim 1, wherein said receiver portion selectively receives a demodulation frequency signal from said frequency hopping spread spectrum transmitter portion.

8. (Previously Presented) A dual mode wireless transceiver configured to transmit a transmission, comprising:

a frequency generator;

a spreading code mixer;

a spreading code generator capable of generating a spreading code and selectively coupled to said spreading code mixer;

a frequency hopping sequence generator capable of generating a hopping sequence and selectively coupled to said frequency generator;

a modulating mixer coupled to receive the spreading code of said spreading code mixer and an output of said frequency generator;

a spread spectrum control signal system including circuitry configured to recognize whether the transmission is voice or data and

when the transmission is voice, to disconnect said frequency hopping sequence from said frequency generator and to couple said spreading code to said spreading code mixer in a first transmission mode with a first transmission rate and

when the transmission is data, to disconnect said spreading code from said spreading code mixer and to couple said frequency hopping sequence to said frequency generator in a second transmission mode with a transmission rate greater than said first transmission rate; and

a demodulation portion coupled to receive the output of said frequency generator.

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9. (Original) The dual mode wireless transceiver of claim 8, wherein said demodulation portion is coupled to selectively receive the spreading code of said spreading code generator.

10. (Cancelled)

11. (Original) The dual mode wireless transceiver of claim 8, wherein said a spreading code mixer is a digital mixer.

12. (Original) The dual mode wireless transceiver of claim 8, wherein said frequency generator is a phase locked loop.

13. (Previously Presented) The dual mode wireless transceiver of claim 12, wherein the phase locked loop includes a voltage controlled oscillator, a lowpass filter and a frequency mixer/phase detector.

14. (Previously Presented) A cordless telephone dual mode wireless transceiver comprising:

a direct sequence spread spectrum transmitter means for modulating an input signal as a direct sequence spread spectrum signal;

a frequency hopping spread spectrum transmitter means for modulating the input signal as a frequency hopping spread spectrum signal; and

a mode selection means coupled to said direct sequence spread spectrum transmitter means and to said frequency hopping spread spectrum transmitter means and configured to

detect when the input signal is voice, and in response thereto to selectively activate said direct sequence spread spectrum transmitter means, to deactivate said frequency hopping spread spectrum transmitter means, and to transmit said input signal as a direct sequence spread spectrum signal, and

detect when the input signal is data, and in response thereto to selectively activate said frequency hopping spread spectrum transmitter means, to deactivate said direct sequence spread spectrum transmitter means, and to transmit said input signal as a frequency hopping spread spectrum signal

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15. (Previously Presented) The cordless telephone dual mode wireless transceiver of Claim 14, wherein said direct sequence spread spectrum transmitter means includes a spreading code generator.

16. (Previously Presented) The cordless telephone dual mode wireless transceiver of Claim 15, further including a frequency generator and wherein said frequency hopping spread spectrum transmitter means further includes a hopping sequence generator selectively coupled to said frequency generator.

17. (Previously Presented) The cordless telephone dual mode wireless transceiver of Claim 15, further including a spreading code mixer for mixing the output of said spreading code generator and the input signal.

18. (Previously Presented) The cordless telephone dual mode wireless transceiver of Claim 17, further including a modulating mixer coupled to receive the output of said spreading code mixer and said frequency generator.

19. (Canceled)

20. (Previously Presented) A dual mode wireless transceiver comprising:

a direct sequence spread spectrum transmitter portion with a first data transmission rate;

a frequency hopping spread spectrum transmitter portion with a data transmission rate that is greater than said first data transmission rate; and

a mode selection circuit coupled to the direct sequence spread spectrum transmission portion and to the frequency hopping spread spectrum transmission portion, wherein the mode selection circuit is configured to

detect when the transceiver is transmitting a voice transmission and in response thereto to selectively activate the direct sequence spread spectrum portion and to deactivate the frequency hopping spread spectrum transmission portion, and

detect when the transceiver is transmitting a data transmission and in response thereto to selectively activate the frequency hopping spread spectrum transmission portion and to deactivate the direct sequence spread spectrum transmitter portion.

21. (Previously Presented) The dual mode wireless transceiver of Claim 20 wherein the direct sequence spread spectrum transmitter portion comprises a

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spreading code generator, wherein the spreading code generator generates a spreading code.

22. (Previously Presented) The dual mode wireless transceiver of Claim 20 further comprising a frequency generator and wherein the frequency hopping spread spectrum transmitter portion further includes a hopping sequence generator selectively coupled to the frequency generator.

23. (Previously Presented) The dual mode wireless transceiver of Claim 21 further comprising a spreading code mixer for mixing the spreading code and an input signal.

24. (Previously Presented) The dual mode wireless transceiver of Claim 23, further comprising a modulating mixer coupled to receive an output of the spreading code mixer and the frequency generator.

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)